

WHAT IS CLAIMED IS:

1. A rubber composition for magnetic encoder, which comprises ethylene-methyl acrylate copolymer rubber, magnetic powder and an amine-based vulcanizing agent.

2. A rubber composition for magnetic encoder, which comprises 100 parts by weight of ethylene-methyl acrylate copolymer rubber, 300-1,000 parts by weight of magnetic powder and 0.5-5 parts by weight of an amine-based vulcanizing agent.

3. A rubber composition for magnetic encoder according to Claim 1 or 2, wherein the magnetic powder is ferrite magnetic powder or rare earth metal magnetic powder, each having particle sizes of 0.5-10 μ m.

4. A rubber composition for magnetic encoder according to Claim 3, wherein the ferrite magnetic powder is strontium ferrite magnetic powder or barium ferrite magnetic powder.

5. A magnetic encoder obtained by vulcanization molding from a rubber composition according to Claim 1 or 2.

6. A magnetic encoder according to Claim 5 for use in a wheel speed sensor.